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TITLE : MANUFACTURE OF FIBER REINFORCED CEMENT PLATE

ABSTRACT : PROBLEM TO BE SOLVED: To realize the stronger plane tensile strength of a surface layer and, at the same time, heighten the working strength after its primary curing by easily giving a deep-engraved uneven pattern to the surface of a cement plate by a method wherein a micro-bubble-containing surface layer is provided.

SOLUTION: In a single layer flow-on molding method, in which a plate is produced by laminarily feeding a cement slurry mixed with a suction dehydrating device and, after being suction-dehydrated, embossably pressed, 2-10 wt.% of silica fume or crystalline silica having the specified surface area of cement by blaine of 8,000 cm²/g or finer is added to the cement slurry prepared by mixing micro-bubbles. Instead, a process, in which 75-200 g of a silica fume aqueous solution per the square meters of the surface of the cement slurry layer mixed with micro-bubbles before pressing is sprayed on the surface of the cement slurry and then embossably pressed, is prepared.

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